

REFRAMING COMPLEX ENVIRONMENTS FOR IMPROVED ANALYSIS

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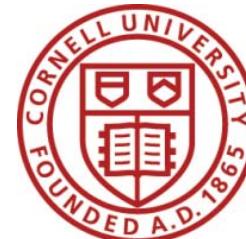


INTERNATIONAL
SUSTAINABLE SYSTEMS

innovations in international development
• assessment • planning • evaluation •

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Report Documentation Page			<i>Form Approved OMB No. 0704-0188</i>	
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1. REPORT DATE OCT 2010	2. REPORT TYPE	3. DATES COVERED 00-00-2010 to 00-00-2010		
4. TITLE AND SUBTITLE Reframing Complex Environments for Improved Analysis			5a. CONTRACT NUMBER	
			5b. GRANT NUMBER	
			5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)			5d. PROJECT NUMBER	
			5e. TASK NUMBER	
			5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Cornell University, Cornell Civic Ecology Lab, Ithaca, NY, 14853			8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)			10. SPONSOR/MONITOR'S ACRONYM(S)	
			11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited				
13. SUPPLEMENTARY NOTES Social Science Underpinnings of Complex Operations 18-21 October 2010; George Mason University, Arlington Campus. U.S. Government or Federal Rights License				
14. ABSTRACT				
15. SUBJECT TERMS				
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 24
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified		

UNDERSTANDING THE QUESTION (?)

How questions are asked bias the answer.

Development planning professionals have well established ways of asking questions.

Today we will **challenge** the fundamentals of **two traditional ways of framing questions** when planning for development or a complex contingency.

TWO AVENUES OF QUESTIONING

Deficits versus **Assets**

&

Conditions versus **Characteristics**

THE NATURE OF THE “PROBLEM-SPACE”

Development and conflicted
environments are:

Systems-of-Systems

“Wicked”

“Socio-Ecological”

THE NATURE OF THE “PROBLEM-SPACE”

Systems-of-Systems

1. Physically distributed (all over the place)
2. High levels of diversity (heterogeneity)
3. Overall functionality dependent on linkages between nested distributed systems

** DeLaurentis and Callaway (2006) **

THE NATURE OF THE “PROBLEM-SPACE”

“Wicked”

1. No problem center (and constantly changing)
2. Stakeholders have different views
3. Resources and constraints change over time
4. Resists efforts to be changed by command

** Horst and Rittel (1973); Conklin (2003); Ritchey (2007)**

THE NATURE OF THE “PROBLEM-SPACE”

“Socio-Ecological”

1. Every node impacts every other node
2. Information and resources flow between all parts
3. High levels of diversity in all categories
4. People (including you) are integral
5. Emergent and adaptive

** Tidball and Weinstein (2011)**

THE PROBLEM

Though developing or conflicted environments are complex and **highly dynamic** systems-of-systems, traditional criteria applied in assessment, planning and evaluation assume they are **static**.

GOALS, OBJECTIVES, END STATES, etc...

“Traditional” Goals Include:

1. Fill needs or gaps.
2. Sustainable (3.) peace, stability and development (or whatever else).

GOALS, OBJECTIVES, END STATES, etc...

1. Fill needs or gaps

A **deficit** approach emphasizes
needs and **gaps**, but...

...a nation can't be built (or repaired)
with what it doesn't have!

ASSETS VERSUS DEFICITS

An “Asset-Based” approach to assessment and planning highlights what is present in the community

- Relationships - individuals, and organizations and associations (formal and informal, official and unofficial)
- Physical assets
- Social proclivities and mores

GOALS, OBJECTIVES, END STATES, etc...

2. Sustainable (3.) peace, stability and development

Part one:

What does “sustainability” mean?

Part two:

“Peace” and “Stability” are conditions.

GOALS, OBJECTIVES, END STATES, etc...

What makes for “real” sustainability?

Internal positive socio-economic feedback loops are the mechanism of sustainability

- “Real” sustainable development requires reinforcement of internal positive feedback loops
- Positive feedback loops are self-reinforcing: Success breeds more success
- External players rarely have much control over an environment, but they can identify, and catalyze or reinforce internal feedback loops that already exist, and spark new ones
- An asset-based approach can identify internal feedback loops and their mechanism and how to best reinforce them

CONDITIONS VERSUS CHARACTERISTICS

With “traditional” goals and objectives planners chase the steady state condition of a place at a single point in time, and they hope that condition will persist.

It won’t.

CONDITIONS VERSUS CHARACTERISTICS

We've already identified that development and conflicted environments are characterized by **dynamism** and **change**.

Furthermore, the promotion of positive feedback loops ignites dynamism and accelerates change.

HARNESSING CHANGE

A new set of criteria are necessary to harness dynamism and change.

These new criteria must speak not to a condition of the system at a given time, but to the fundamental characteristics of the system itself.

RESILIENCE

A **RESILIENT** system:

- **Can change and adapt to shifting conditions, shocks, and traumas, but still maintain control of its functions and structure, and retain it's core identity.**
- **Is capable of self-organization (emergence) particularly in response to or in anticipation of changing conditions**
 - **Learns and adapts to changing conditions and pressures.**

THINKING IN RESILIENCE TERMS

Thinking in **resilience** terms requires that we reframe our inquiry from questions about the day's **conditions** to underlying questions about the **characteristics** of the system itself.

RESILIENCE QUESTIONS

Q: The resilience of what, to what?

**Q: What do alternate states look like?
(possible contingencies)**

**Q: How adaptable and transformative
and in what ways?
(receptiveness to change)**

BRINGING THESE NEW APPROACHES TOGETHER

Change is not only unavoidable,
it is the key to a successful future.

Deficit-emphasizing approaches lead to lines of query focused on **conditions** at a given time.
Both inherently ignore mechanisms of transformation.

An asset-based approach enables resilience lines of query.

NEW APPROACHES IN PRACTICE

How we work (process) is as important as how we think (methodology).

**Low quality process =
Low quality information inputs =
Low quality plan = FAILURE**

PARTICIPATION

The cost of an asset-based approach is the increased participation of stakeholders in all aspects of assessment, planning and evaluation.

Sustainability is one byproduct of resilience



We can only understand resilience through an asset-based approach



We cannot be aware of assets without participation

PARTICIPATION

“Participation” must be genuine.

Marginal or purely rhetorical participation can be used to justify the desires or assumptions of the giver or manipulate the recipient without the risks associated with participatory input of substance.

* “*Participation: The New Tyranny?*” Cooke and Kothari (2001) *

The absence of comprehensive participatory inputs of substance ensures outcomes somewhere between **failure** and **limited success**.

PARTICIPATION

(practically speaking)

Participation is “rule” based.

Different stakeholders’ interests are different, and their input is of varying value at different times (both on the calendar and relative to the assessment and planning process) and relative to different topical arenas.

Assessors and planners must necessarily make judgments about who will participate, when, how much, through what vehicle, and to what, but...

...better to err on the side of too much participation rather than too little.